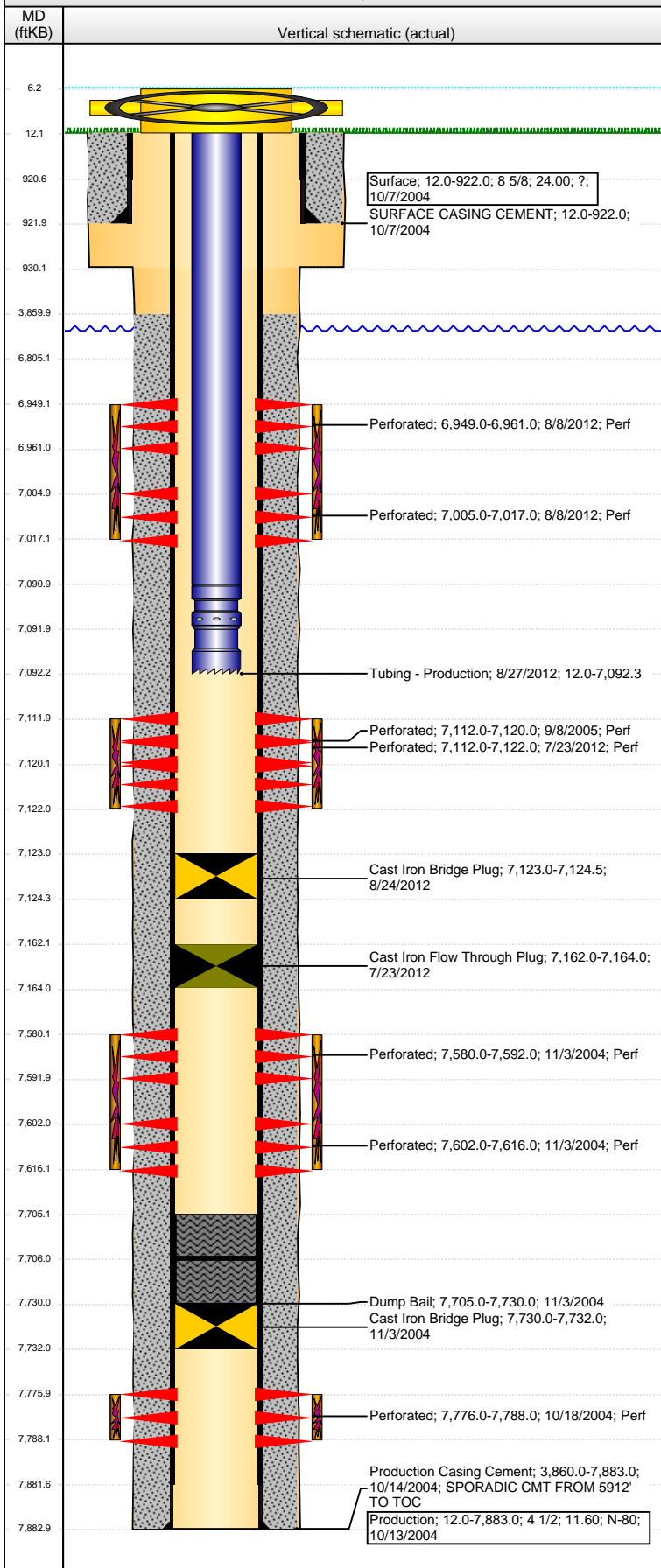


**Well Name: PERKINS 34-09**

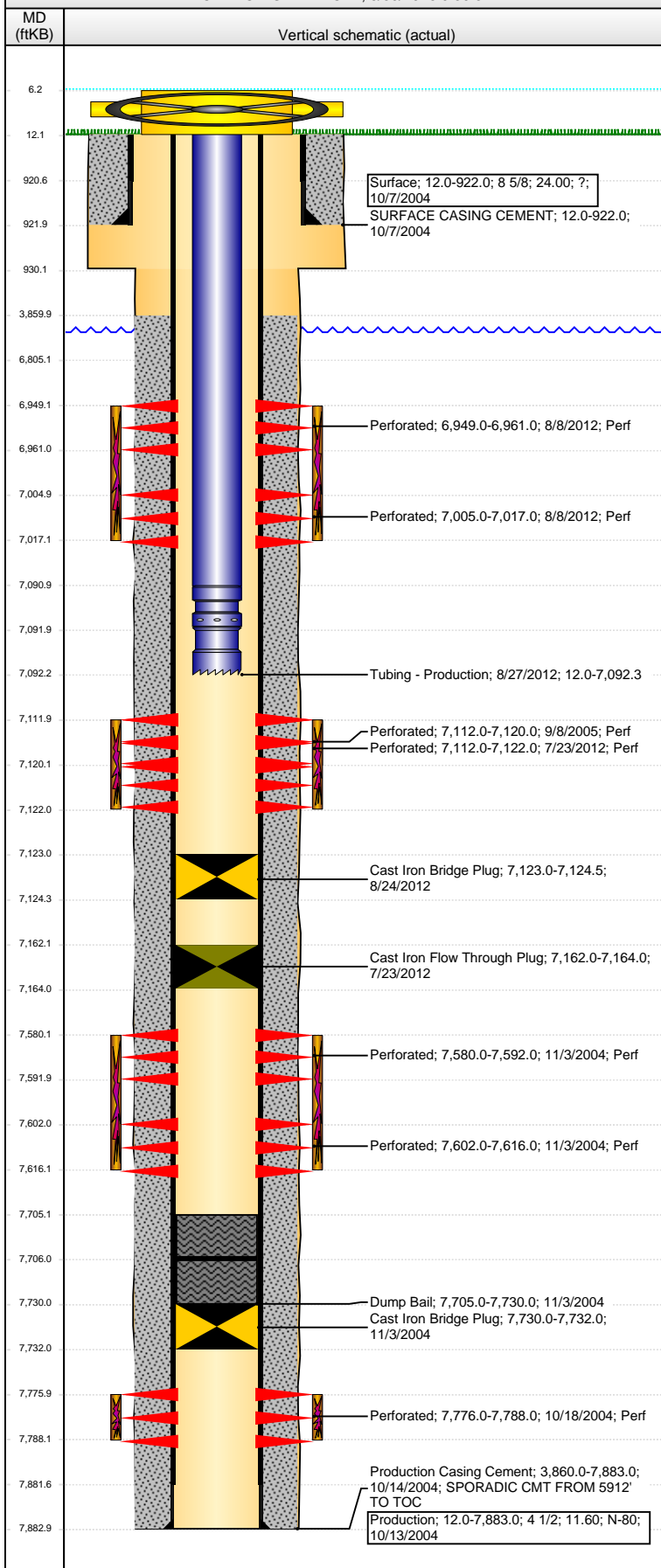
VERTICAL - ORIGINAL HOLE, 6/30/2016 9:30:30 AM



| Well Header                                                    |              |                               |                       |                             |                     |                                |                      |                     |  |
|----------------------------------------------------------------|--------------|-------------------------------|-----------------------|-----------------------------|---------------------|--------------------------------|----------------------|---------------------|--|
| API<br>05-123-22410                                            |              | Business Unit<br>DJ BASIN     |                       | District<br>15              |                     | Well Config<br>VERTICAL        |                      |                     |  |
| Original KB Elevation (ft)<br>4,950                            |              | KB - GL / MSL (ftKB)<br>12.00 |                       | Spud Date<br>10/6/2004      |                     | P & A Date                     |                      |                     |  |
| Comment                                                        |              |                               |                       |                             |                     |                                |                      |                     |  |
| Directions To Well<br>RD 20 & 55, N 1, W 2/10, N 1/10, W INTO. |              |                               |                       |                             |                     |                                |                      |                     |  |
| Congressional Location                                         |              |                               |                       |                             |                     |                                |                      |                     |  |
| Quarter 1                                                      | Quarter 2    | Quarter 3<br>SW               | Quarter 4<br>SE       | Section<br>9                | Township<br>2 N     | Twntshp N...                   | Range<br>64          | Rng E/W Dir<br>W    |  |
| Bottom Hole Location                                           |              |                               |                       |                             |                     |                                |                      |                     |  |
| North-South Distance (ft)                                      |              | From N or S Line              |                       | East-West Distance (ft)     |                     |                                | From E or W Line     |                     |  |
| Plug Back Total Depths                                         |              |                               |                       |                             |                     |                                |                      |                     |  |
| Date                                                           | Depth (ftKB) | Method                        |                       |                             | Com                 |                                |                      |                     |  |
| 10/15/2004                                                     | 7,880.0      | CASING TALLY                  |                       |                             | FLOAT COLLAR        |                                |                      |                     |  |
| 10/18/2004                                                     | 7,863.0      | CASED HOLE LOG                |                       |                             | DEPTH LOGGER ON CBL |                                |                      |                     |  |
| 7/19/2012                                                      | 7,706.0      | TAG                           |                       |                             |                     |                                |                      |                     |  |
| Wellbore Sections                                              |              |                               |                       |                             |                     |                                |                      |                     |  |
| Section Des                                                    |              |                               | Size (in)             |                             | Act Top, MD (ftKB)  |                                | Act Btm, MD (ftKB)   |                     |  |
| SURFACE                                                        |              |                               | 12 1/4                |                             | 12                  |                                | 930                  |                     |  |
| PRODUCTION                                                     |              |                               | 7 7/8                 |                             | 930                 |                                | 7,883                |                     |  |
| Zone Statuses                                                  |              |                               |                       |                             |                     |                                |                      |                     |  |
| Zone Name                                                      | Status Date  | Status                        | Fluid Type            | Job                         | Prod Method         |                                |                      |                     |  |
| J SAND                                                         | 11/16/2004   | PR                            | Water                 | DRILLING/CO...              | Flowing             |                                |                      |                     |  |
| J SAND                                                         | 3/10/2010    | PR                            |                       |                             |                     |                                |                      |                     |  |
| J SAND                                                         | 8/24/2012    | SI                            |                       | RECOMPLETI...               |                     |                                |                      |                     |  |
| J SAND                                                         | 5/25/2015    | PR                            |                       |                             |                     |                                |                      |                     |  |
| DAKOTA                                                         | 11/3/2004    | AB                            |                       | DRILLING/CO...              |                     |                                |                      |                     |  |
| CODELL                                                         | 10/5/2005    | PR                            |                       | DRILLING/CO...              |                     |                                |                      |                     |  |
| CODELL                                                         | 9/21/2012    | PR                            |                       | RECOMPLETI...               |                     |                                |                      |                     |  |
| NIOBRARA                                                       | 9/21/2012    | PR                            |                       | RECOMPLETI...               |                     |                                |                      |                     |  |
| Casing Strings                                                 |              |                               |                       |                             |                     |                                |                      |                     |  |
| Surface, 922.0ftKB                                             |              |                               |                       |                             |                     |                                |                      |                     |  |
| Casing Description<br>Surface                                  |              | Run Date<br>10/7/2004         | OD (in)<br>8 5/8      | Wt/Len (l...)<br>24.00      | Grade<br>?          | Top, MD (ft...)<br>12.0        | MD (ftKB)<br>922.0   |                     |  |
| Production, 7,883.0ftKB                                        |              |                               |                       |                             |                     |                                |                      |                     |  |
| Casing Description<br>Production                               |              | Run Date<br>10/13/2004        | OD (in)<br>4 1/2      | Wt/Len (l...)<br>11.60      | Grade<br>N-80       | Top, MD (ft...)<br>12.0        | MD (ftKB)<br>7,883.0 |                     |  |
| Cement                                                         |              |                               |                       |                             |                     |                                |                      |                     |  |
| Description<br>SURFACE CASING CEMENT                           |              |                               |                       | Top Depth (ftKB)<br>12.0    |                     | Bottom Depth (ftKB)<br>922.0   |                      |                     |  |
| Description<br>Production Casing Cement                        |              |                               |                       | Top Depth (ftKB)<br>3,860.0 |                     | Bottom Depth (ftKB)<br>7,883.0 |                      |                     |  |
| Description<br>Dump Bail                                       |              |                               |                       | Top Depth (ftKB)<br>7,705.0 |                     | Bottom Depth (ftKB)<br>7,730.0 |                      |                     |  |
| Tubing Strings                                                 |              |                               |                       |                             |                     |                                |                      |                     |  |
| Tubing Description<br>Tubing                                   |              | Run Date<br>7/5/2006          | String...<br>2 3/8    | ID (in)<br>1.995            | Wt (lb/ft)<br>4.70  | Grade<br>J-55                  | Len (ft)<br>7,546.00 | Set De...           |  |
| Tubing Description<br>Tubing - Production                      |              | Run Date<br>8/27/2012         | String...<br>2 3/8    | ID (in)<br>1.995            | Wt (lb/ft)<br>4.70  | Grade<br>J-55                  | Len (ft)<br>7,080.30 | Set De...           |  |
| Tubing Components                                              |              |                               |                       |                             |                     |                                |                      |                     |  |
| Item Des                                                       |              | OD (in)                       | Wt (lb/ft)            | Grade                       | Jts                 | Len (ft)                       | Btm (ftKB)           | Btm (TVD)<br>(ftKB) |  |
| EUE 8rd Tubing                                                 |              | 2 3/8                         | 4.70                  | J-55                        | 224                 | 7,078.80                       | 7,090.8              |                     |  |
| Pump Seating Nipple                                            |              | 2 3/8                         | 1.10                  | N-80                        | 1                   | 1.00                           | 7,091.8              |                     |  |
| Notched collar                                                 |              | 2 3/8                         | 4.70                  | J-55                        | 1                   | 0.50                           | 7,092.3              |                     |  |
| Perforation Data                                               |              |                               |                       |                             |                     |                                |                      |                     |  |
| Zone                                                           |              | Bnch/St<br>g                  | Entered<br>Shot Total | Top (ftKB)                  |                     | Btm (ftKB)                     |                      | Date                |  |
| NIOBRARA, ORIGINAL HOLE                                        |              |                               | 12                    | 6,949.00                    |                     | 6,961.00                       |                      | 8/8/2012            |  |
| NIOBRARA, ORIGINAL HOLE                                        |              |                               | 12                    | 7,005.00                    |                     | 7,017.00                       |                      | 8/8/2012            |  |
| CODELL, ORIGINAL HOLE                                          |              |                               | 32                    | 7,112.00                    |                     | 7,120.00                       |                      | 9/8/2005            |  |

**Well Name: PERKINS 34-09**

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| Perforation Data      |            |                    |            |            |            |
|-----------------------|------------|--------------------|------------|------------|------------|
| Zone                  | Brnch/St g | Entered Shot Total | Top (ftKB) | Btm (ftKB) | Date       |
| CODELL, ORIGINAL HOLE |            | 40                 | 7,112.00   | 7,122.00   | 7/23/2012  |
| J SAND, ORIGINAL HOLE |            | 48                 | 7,580.00   | 7,592.00   | 11/3/2004  |
| J SAND, ORIGINAL HOLE |            | 56                 | 7,602.00   | 7,616.00   | 11/3/2004  |
| DAKOTA, ORIGINAL HOLE |            | 48                 | 7,776.00   | 7,788.00   | 10/18/2004 |

| Stimulations & Treatments |                       |                                |
|---------------------------|-----------------------|--------------------------------|
| Date                      | Zone                  | Primary Job Type               |
| 10/19/2004                | DAKOTA, ORIGINAL HOLE | DRILLING/COMPLETION - ORIGINAL |
| Technical Result          | Tech Result Details   | Tech Result Note               |
|                           |                       |                                |

|                  |                       |                                |
|------------------|-----------------------|--------------------------------|
| Comment          |                       |                                |
| Date             | Zone                  | Primary Job Type               |
| 11/4/2004        | J SAND, ORIGINAL HOLE | DRILLING/COMPLETION - ORIGINAL |
| Technical Result | Tech Result Details   | Tech Result Note               |

|                  |                       |                                |                  |
|------------------|-----------------------|--------------------------------|------------------|
| Comment          |                       |                                |                  |
| Date             | Zone                  | Primary Job Type               |                  |
| 9/9/2005         | CODELL, ORIGINAL HOLE | DRILLING/COMPLETION - ORIGINAL |                  |
| Technical Result |                       | Tech Result Details            | Tech Result Note |
| Success          |                       | Tip Screen-Out                 | SCREEN OUT ON 4# |

|                                   |                               |                                   |                  |
|-----------------------------------|-------------------------------|-----------------------------------|------------------|
|                                   |                               | STAGE                             |                  |
| Comment<br>SCREEN OUT ON 4# STAGE |                               |                                   |                  |
| Date<br>8/8/2012                  | Zone<br>CODELL, ORIGINAL HOLE | Primary Job Type<br>RECOMPLETION  |                  |
| Technical Result<br>Failure       |                               | Tech Result Details<br>Mechanical | Tech Result Note |

|                  |                         |                  |
|------------------|-------------------------|------------------|
| Comment          |                         |                  |
| Date             | Zone                    | Primary Job Type |
| 8/8/2012         | NIOBRARA, ORIGINAL HOLE | RECOMPLETION     |
| Technical Result | Tech Result Details     | Tech Result Note |

|         |  |
|---------|--|
| Comment |  |
|---------|--|

| Other In Hole |                             |         |            |            |
|---------------|-----------------------------|---------|------------|------------|
| Run Date      | Des                         | OD (in) | Top (ftKB) | Btm (ftKB) |
| 11/3/2004     | Cast Iron Bridge Plug       | 4       | 7,730.0    | 7,732.0    |
| 7/23/2012     | Cast Iron Flow Through Plug | 3.99    | 7,162.0    | 7,164.0    |
| 8/24/2012     | Cast Iron Bridge Plug       | 4       | 7,123.0    | 7,124.5    |

| Logs       |              |                |                |
|------------|--------------|----------------|----------------|
| Date       | Type         | Top, MD (ftKB) | Btm, MD (ftKB) |
| 10/14/2004 | TRIPLE COMBO | 12.0           | 7,883.0        |
| 10/18/2004 |              | 3,685.0        | 7,858.0        |